

Date: Fri, 22 Apr 94 04:30:16 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V94 #120
To: Ham-Equip

Ham-Equip Digest Fri, 22 Apr 94 Volume 94 : Issue 120

Today's Topics:

 Deviation Control For Standard 5608A
 DualBand Mobile extended RX capability (220band?)
 Help with FTP sites
 Kenwood TH-78A *OR* Yaesu FT-530
 LOOKING FOR: AEA Model PK-232 TNC
 POLICE BBS
 Radio Shack's New DSP Filter (2 msgs)
 Request for comments on Standard Mobile 5718DA
 Rovhester NH Hamfest
 WANTED: Kenwood TS520 Parts
 Wanted Tokyo Hy-Power VHF Linear Amp

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 21 Apr 94 13:10:56 GMT
From: sdd.hp.com!think.com!parish@hplabs.hp.com
Subject: Deviation Control For Standard 5608A
To: ham-equip@ucsd.edu

I need to adjust the deviation in my Standard 5608A. Does anyone have a
service manual or know the location of the adjustment? Any information
would be useful. Thanks

Ed
parish@think.com

Date: 21 Apr 94 08:40:52 GMT
From: ihnp4.ucsd.edu!agate!deep.rsoft.bc.ca!giant!a10554@network.ucsd.edu
Subject: DualBand Mobile extended RX capability (220band?)
To: ham-equip@ucsd.edu

svec@rtsg.mot.com (Larry Svec) writes:

>I have been looking at all the current dual band mobiles on the market

Yes, I am doing the same too. But I am still considering a single band one for cost reason, which some new models can receive AM/VHF and/or UHF as well.

>receive ranges. In essence, what amateur dual band mobile, also makes
>the best broad-coverage receiver. Is anyone aware of a similar study

One thing to watch out is the buzz word here "intermod rejection". The more broad-band, the worst/hardest to filter, thus more intermod for ham-type radios. It is hard to pick out the max. range of the radios as they are usually not accurate on US mag. reviews and not listed on their ads. Some of the Japanese mags do list them but I don't have all the months to make a good list. Usually collection of what people review here on the net is good, but I couldn't find any archive on ftp sites.

>RECEIVE 108-136AM aircraft
This part is usually listed in mag. ads.
> 136-174FM public service, etc
standard in today's radio now.
> 440-450FM ham band
> 450-480FM public service, etc
probably more or less standard, plus below 440MHz.
> 850-865FM public service repeaters/trunked
> 869-894FM cellular
> 920-928FM ham band & other stuff
> 928-950FM more public 2-way

Not only this is not listed, but the sensitivity varies a lot on the HTs which have them. A lot of HTs actually can do all of the above, and I wonder why the mobiles are always a bit less (to have better filters?)

>Also, I heard someone discussing their 2M/440 dual bander could be
>modified to also receive in the 220 band but I was listening on

That is usually very rare and I haven't recalled one. I'll be kinda interested also, but I don't think so. I also heard some Standard HT can do that, but I know my C550 (same as C558A) cannot do it.

>Currently, I am looking seriously at the Alinco "600" but would be
>curious what other Kenwood/Icom/Yaesu/etc may also have extended
>receive like the Alinco does.

What is the range of the Alinco 600? As far as receivers and radios go,
I think I trust Standard best, and Yaesu second. Icom has been best in
the old days. Kenwood seems to attract the most boos for bad intermod
rejection. (but I also heard contrary stories.)

>Thanks for any and all advice/help... Larry
>Larry Svec - KD90F
> home: 708-526-1256 e-mail: uunet!motcid!svec1 VHF: 145.150-
> work: 708-632-5259 fax: 708-632-5132 UHF: 443.575+

David Tse

--

David Tse, VE7MDT Internet: a10554@giant.rsoft.bc.ca
I will prefer e-mail sent to above address.
My PO Box is CANCELLED, please do not use.

Date: Thu, 21 Apr 1994 08:43:02 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
parker@network.ucsd.edu
Subject: Help with FTP sites
To: ham-equip@ucsd.edu

If you need a truly complete list of ftp sites with ham radio related files,
type "archie hamradio" (without the quotes) from your main prompt inside
your account. The archie server is a bit like a database that searches for
whatever your subject is. It will give you a list of ALL ftp sites with
ham radio related files or directories. Your host should be connected to
the archie server. Good luck.

--

| Andrew Parker | KD6TGM | parker@netcom.com |
|-----
This signature is extra lean. It will not contain more than 15% fat.

Date: 21 Apr 94 08:59:43 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!deep.rsoft.bc.ca!giant!
a10554@network.ucsd.edu

Subject: Kenwood TH-78A *OR* Yaesu FT-530
To: ham-equip@ucsd.edu

steve@vigra.com (Steve Haehnichen) writes:

>I'm just now shopping for a 2m/440 HT and am trying to make the same
>decision. The local HRO has the Kenwood TH-78A for \$389 and the Yaesu
>FT-530 for \$399, so price doesn't seem to be a factor.

I used to live in SD and has been to that HRO many times, I was back
visiting and visited that store, oh, boy, they have more stuff now :).

>After mods, the Kenwood does these:
> Rx: 50-180 300-400 400-512 800-950
> Tx: 136-180 400-512

I seriously doubt if the Kenwood can lock the PLL (actually receiving)
below about 90 or 100MHz. And also transmitting the full 400-512MHz. The
display might say so, but the VFO and the rest might not.

>The Yaesu does these:
> Rx: 110-180 300-500 800-859
> Tx: 130-180 400-470

Only diff. is the Kenwood can do AM in all VHF and UHF (may be not 800 band)
but Yaesu can only do it in the 110 to 138MHz?? (Mine Standard C550/C558A
can do AM on all VHF but not UHF.)

>At first, I liked the idea of getting FM Broadcast Radio (88-108) on
>the Kenwood, but now I read that it's modulated differently
>(wide-band?) and doesn't come in anyway, so that's out.

Mine picked up quiet passages ok, once the loudness is out (high deviation)
then it's all clipped. Not useful at all.

>The Kenwood has a six-character alphanumeric display & memory, while
>the Yaesu does not. Apparently, you can get an optional microphone
>for the Yaesu that does have an alpha display, but I haven't seen it,
>and I'm sure it's pricey.

Kenwood can also send alphanumeric pagings to other Kenwoods, if that is
good for you. I really like the idea, but since most people don't like
Kenwood due to rumors of bad intermod rejection and hard to use interface,
they are not popular and thus the actual usage is not much besides few who
own it. Yaesu 530 doesn't have alpha numeric, the speaker/mic is a back-
lit display and buttons simpler than on the radio. about \$100. The new
Ft-11 micro size single band HT has alpha numeric memory but no alphanumeric
paging. (also by Yaesu.)

>The Yaesu has "CTCSS" included while it's an extra option on the
>Kenwood. I have no idea what that feature does, but radios that have
>it seem to boast about it. The Yaesu also has some kind of Automatic
>Tone Search feature that I don't yet understand.

I think almost all HT sold in US includes CTCSS encode and decode while
most mobile/base only includes encode and decode is optional. CTCSS is
(depends on whom you asked :) Continuous Tone Coded Squelsh System, aka
sub-audio tone, also called PL (Private Line) by Motorola, or Select Call
by GE. It is from about 67Hz to about 250Hz selectable from a table to
key up repeaters to open squelsh on others' radios.

>Both radios can do VHF/VHF and UHF/UHF, but some people say that this
>adds interference.

Yes, as it is using the other band receiver to receive far away, thus
weakening the filter job/design. Currently there is no good cure except
they put in multiple switched filters.

>The Yaesu has 82 memories, the Kenwood 50 (expandable to 250?). The
>Yaesu has a light-up keypad, and I don't think the Kenwood does. The
>Kenwood does, however, have some internal video games :-).

One BIG reason I refused to buy the Kenwood as if I need a video game,
I can get something else, even to download one for my HP48SX prog. calculator.
If there are space left in the Kenwood uP rom, why don't they put in something
useful? like calculating/estimating remaining time battery usage, may be
even some memory management software.

>The general list of recommended models seems to be: ICOM W21AT,
>Standard C558, Yaesu FT-530, Alinco DJ-580T with no mention of the

They all have merits, but the only one I would buy (again) is either
the Standard (which I have a similar model) or Yaesu. But W21AT has
the cellular phone style microphone being lower in the battery area,
which is nice doing phonepatch. Alinco's only merit is lower price.
Kenwood if you want the latest alphanumeric functionality (which I really
like to have, but not at a sacrifice of other areas.)

>-Steve

>Steve Haehnichen Vigra, Inc. San Diego, CA
>steve@vigra.com (619) 597-7080 x116 Fax: (619) 597-7094

Where is Vigra? I have lots of friends still in SD (from SDSU mostly.)
David Tse

David Tse, VE7MDT Internet: a10554@giant.rsoft.bc.ca

I will prefer e-mail sent to above address.
My PO Box is CANCELLED, please do not use.

--

David Tse, VE7MDT Internet: a10554@giant.rsoft.bc.ca
I will prefer e-mail sent to above address.
My PO Box is CANCELLED, please do not use.

Date: Tue, 19 Apr 1994 09:52:32 +0000
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!math.ohio-state.edu!news.acns.nwu.edu!
uicvm.uic.edu!u21604@network.ucsd.edu
Subject: LOOKING FOR: AEA Model PK-232 TNC
To: ham-equip@ucsd.edu

LOOKING FOR: AEA Model PK-232 TNC

=====

I am looking for a used TNC.

In particular I was hoping for a Model PK-232 made by AEA.
It is for my brother who is trying to get into packet radio.
He works in rural Zaire, Africa where communications
are very poor and this would help him out a great deal.

Also, if you know of anything else that might help
him get started, please let me know.

Please reply directly to me by e-mail as I don't
frequent these news groups that often. Thanks...

Larry

"He is no fool who gives what he cannot keep
to gain what he cannot lose." -- Jim Elliot

Larry Fountain, U21604@uicvm.uic.edu
Network Administrator, Department of Medicine
University of Illinois College of Medicine -- Rockford
1601 Parkview Blvd.
Rockford, IL 61107-1897
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FAX (815) 395-5671

evaluation of the DSP-40 using a Yaesu FT-890 as the receiver.

Good Things:

1. It is cheap, \$80.
2. The notch on SSB and Noise reduction mode is very good, maybe not quite as fast as the DSP-9 but fast enough. Once it locks on a carrier it is gone. You can retune your rig and it tracks very quickly, in about half a second or so.
3. Both the CW and SSB bandpass have very sharp cutoff. The CW has a very narrow mode that doesn't ring, even in high noise situations such as 160 meters. I was impressed with it. It is a bit strange to see your S-Meter jumping at around S-9 or higher while you receive a weak signal.
4. The NOISE mode works quite well to remove the harshness from the background noise on the lower bands (40 and down). My receiver is pretty good at doing that anyway so I was not really impressed with the noise filter.

Not so Good Things:

1. It requires a hefty power supply, 750ma or better at 12 volts. It states that it will work with 500ma but don't try it. The poor little adapter gets pretty hot.
2. The audio input level is pretty critical. You must adjust the audio input so that it is just right. If you don't, either the filter will not work properly or you will get significant distortion. This is probably because of the 8 bit processor, not a big problem.
3. No low-level audio input. You must use the external speaker output on your rig if it has one. You can use the headphone output but the audio level must be set so high that it will blow you out of the shack if you forget to turn it down before you unplug the jack.
4. It does produce a little RFI but it will filter out any RFI that it creates. I think that a metal case instead of the plastic one would fix that.
5. BIGGEST COMPLAINT: IT HAS A MONO HEADPHONE JACK!!!! I think that every rig on the market (at least the newer ones) will accept stereo headphones. They couldn't

have spent that
extra fifteen cents or so and put a stereo jack in the silly thing!

Overall it is a pretty good piece of equipment. I think that they could have included an AC adapter with it.

Kevin Muenzler (WB5RUE) muenzlerk@uthscsa.edu

Legal stuff:

The above is not necessarily the opinion of the staff, faculty, students or administration of The University of Texas Health Science Center at San Antonio.

Date: 21 Apr 94 15:39:11 GMT
From: sdd.hp.com!vixen.cso.uiuc.edu!usenet@hplabs.hp.com
Subject: Radio Shack's New DSP Filter
To: ham-equip@ucsd.edu

In <2DB6AC9A@msmail.uthscsa.edu>, MUENZLERK@uthscsa.EDU (Muenzler, Kevin) writes:

.....
>4. The NOISE mode works quite well to remove the harshness from the
>background noise on
> the lower bands (40 and down). My receiver is pretty good at doing that
>anyway so
> I was not really impressed with the noise filter.
>
.....

Ar you sure that the noise filter works? Perhaps a difference that you heard were from different bandwidths of NR and SSB modes. According to another ham, a discussion with RS DSP developers on Compuserve revealed that RS DSP has no NR function to keep the price down. Then, descriptions of NR function would be just a misleading marketing.

Ignacy Misztal	Ham radio: N09E, SP8FWB
E-mail: ignacy@uiuc.edu	
University Of Illinois	1207 W. Gregory Dr., Urbana, IL 61801, USA
tel. (217) 244-3164	Fax: (217) 333-8286

Date: 17 Apr 94 20:40:36 GMT

From: agate!spool.mu.edu!darwin.sura.net!perot.mtsu.edu!raider!theporch!jackatak!
martinbw@ucbvax.berkeley.edu
Subject: Request for comments on Standard Mobile 5718DA
To: ham-equip@ucsd.edu

blood@austin.ibm.com () writes:

>
> Does anyone have anything to say good or bad about the Standard Dual
> band mobile with all of the controls in the mic? Is it worth the \$700.00?
> I have called Standard and they are unable to supply me with a users manual
> due to lack of supply. Otherwise they are very helpful.

I love mine. It is more expensive than other radios, by the time you add the optional faceplate. Still the controls are complete and pretty easy to use. The only thing that I do not like about Standards radios is that there is no way to write a memory channel to the VFO. This is a problem with both the C5608DA and the C5718DA. I have both.

* Bruce W. Martin Internet: martinbw@jackatak.raider.net *
* 4558 Brooke Valley Dr. AOL: Dragon16 *
* Hermitage TN 37076-2650 HAM Call: KQ4TV *
* Voice: (615) 872-9942 Work: (615) 244-2022 *
* FAX/MODEM: (615) 885-4182 *

Date: 21 Apr 94 18:06:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: Rovhester NH Hamfest
To: ham-equip@ucsd.edu

The Rochester, NH Hamfest, aka "Hosstraders" (or even "BeerChester") will be held on May 6 and 7 at the Rochester, NH Fairgrounds. If you'd like a regular bi-monthly listing of ham, radio, photography, and electronic fleamarkets in the New York/New England area, drop me some mail and I'll dig up the address of "hamlist" for you. 73 de KD1DJ,

Alan Hicks

Date: Tue, 19 Apr 1994 16:09:15 GMT

From: ihnp4.ucsd.edu!sdd.hp.com!saimiri.primate.wisc.edu!news.crd.ge.com!sarah!
psinntp!psinntp!bnlux1.bn1.gov!news@network.ucsd.edu (Bill Fritz)
Subject: WANTED: Kenwood TS520 Parts
To: ham-equip@ucsd.edu

I'm a new Ham building that "First Rig". I recently purchased
a Kenwood TS520 and would like to complete the matching trio
set. Anyone with the VFO-520, SP-520, matching microphone, or
spare final tubes in good condition please contact me 9am-5pm
(EST).

Bill Fritz
(Waiting for FCC to send me a call sign)
Phone (516)282-3278
Fax (516)282-3674

Date: 20 Apr 1994 14:22:34 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!math.ohio-state.edu!
hobbes.physics.uiowa.edu!news.uiowa.edu!panda@network.ucsd.edu
Subject: Wanted Tokyo Hy-Power VHF Linear Amp
To: ham-equip@ucsd.edu

Wanted: Tokyo Hy-Power VHF Linear Amp.

Model HL-100V (I think)
10W in, approx 90W out
Receive Pre-amp

Contact Wayne Estes at (708)566-6521 or e-mail wayne@csg.mot.com

73 de WD5FFH

Date: 21 Apr 94 17:38:39 GMT
From: dog.ee.lbl.gov!agate!kabuki.EECS.Berkeley.EDU!kennish@ucbvax.berkeley.edu
To: ham-equip@ucsd.edu

References <2o78j3\$o3q@apakabar.cc.columbia.edu>,
<STEVE.94Apr19184558@hobbes.vigra.com>, <a10554.766918783@giant>≤
Subject : Re: Kenwood TH-78A *OR* Yaesu FT-530

In article <a10554.766918783@giant>,
David Tse <a10554@giant.rsoft.bc.ca> wrote:
>

>Only diff. is the Kenwood can do AM in all VHF and UHF (may be not 800 band)

>but Yaesu can only do it in the 110 to 138MHz?? (Mine Standard C550/C558A
>can do AM on all VHF but not UHF.)

Not True. Although not documented, if you put a UHF frequency in
the left side of the FT-530, and enable A3E mode, you will decode
UHF frequencies in AM mode. Maybe not as convenient. Now, HOW they
do A3E detection is a kludge. Look at the schizmos and take a look :-)

-ken

End of Ham-Equip Digest V94 #120
